

SUB E1
C1

1. (Twice Amended) A contoured structural member, comprising:
an inner section having a continuous plurality of contoured layers comprising a metal-containing material;
an outer section having a continuous plurality of contoured layers comprising a metal-containing material; and
at least one intermediate layer having a ribbed structure connecting the inner section and the outer section.

C2

3. (Amended) The structural member of claim 1, wherein the inner section contains a layer comprising a composite material, the outer section contains a layer comprising a composite material, or the inner and outer sections contain a layer comprising a composite material.

SUB E2
C3

4. (Twice Amended) A contoured structural member, comprising:
a plurality of contoured inner layers comprising a metal-containing material;
a plurality of contoured outer layers comprising a metal-containing material; and
at least one intermediate layer having a ribbed structure connecting the at least one inner layer and the at least one outer layer;
wherein the plurality of contoured inner layers is formed of a continuous sheet, the plurality of contoured outer layers is formed of a continuous sheet, or the plurality of inner contoured layers and the plurality of contoured outer layers are both formed from continuous sheets.

C4

4. (Amended) The structural member of claim 1, wherein the metal-containing material comprises magnesium, aluminum, titanium, zinc, molybdenum, or alloys thereof.

5. (Amended) The structural member of claim 4, wherein the metal-containing material is aluminum or an alloy thereof.

C4
cont
~~7.6~~ (Amended) The structural member of claim 1, wherein the metal-containing material comprises iron, copper, nickel, carbon steel, stainless steel, alloy steel, tin, or alloys thereof.

~~8.7~~ (Amended) The structural member of claim ~~7~~⁶, wherein the metal-containing material is stainless steel or an alloy thereof.

C5 *SUB*
F3
~~9.~~ (Amended) The structural member of claim 1, wherein the metal-containing material in the inner and outer section are the same.

C6
~~11.9~~ (Amended) The structural member of claim 1, further comprising at least one layer or portion covering at least a portion of the outer section.

Sub D1
12. (Amended) A contoured structural member, comprising:
an inner section containing a contoured layer comprising a metal-containing material;
an outer section containing a contoured layer comprising a composite material; and
at least one intermediate layer having a ribbed structure connecting the inner section and the outer section.

C7
Sub D2
15. (Amended) A contoured structural member, comprising:
an inner section containing a contoured layer comprising a composite material;
an outer section containing a contoured outer comprising a metal-containing material;
and at least one intermediate layer having a ribbed structure connecting the inner section and the outer section, wherein the ribbed structure of the at least one intermediate layer comprises a honeycomb structure.

C8
16. (Amended) A contoured structural member, comprising:
an inner section containing a contoured layer comprising a metal-containing material;
an outer section containing a contoured layer comprising a metal-containing material; and

Sub D2
Cont
at least one intermediate layer having a honeycomb structure connecting the inner section
and the outer section.

17. (Amended) The structural member of claim 16, wherein the inner section contains
a layer comprising a composite material, the outer section contains a layer comprising a
composite material, or the inner and outer sections contain a layer comprising a composite
material.

18. (Amended) A contoured structural member, comprising:
an inner section containing a layer comprising a metal-containing material;
an outer section containing a layer comprising a metal-containing material;
at least one intermediate layer having a ribbed structure connecting the inner section and
the outer section;
wherein the inner section contains a layer comprising a composite material, the outer section
contains a layer comprising a composite material, or the inner and outer sections contain a layer
comprising a composite material.

Sub D3
19. (Amended) A closed, contoured structural member, comprising:
an inner section containing a layer comprising a metal-containing material;
an outer section containing a layer comprising a metal-containing material; and
at least one intermediate layer having a honeycomb structure connecting the inner section
and the outer section;
wherein the inner section contains a layer comprising a composite material, the outer section
contains a layer comprising a composite material, or the inner and outer sections contain a layer
comprising a composite material.

20. (Amended) A closed, contoured structural member, comprising:

C

an inner section containing a contoured layer comprising a metal-containing material;
an outer section containing a contoured layer comprising a metal-containing material; and
at least one intermediate layer having a honeycomb structure being substantially
contiguous with the inner section and the outer section.

Sub D3
CB Cont
CONT.

21. (Amended) A method for making a contoured structural member, comprising:
providing an inner section containing a layer comprising a metal-containing material;
roll wrapping at least one intermediate layer over the inner section, the at least one
intermediate layer having a ribbed structure; and
providing an outer section over the at least one intermediate layer, the outer section
containing a layer comprising a metal-containing material; and
connecting the inner and outer sections to the at least one intermediate layer.

Sub
RB

22. (Twice Amended) A method for making a contoured structural member,
comprising:
roll wrapping at least one inner layer comprising a metal-containing material over a
substrate, wherein the at least one inner layer comprises a plurality of layers;
roll wrapping at least one intermediate layer over the at least one inner layer, the at least
one intermediate layer having a ribbed structure;
roll wrapping at least one outer layer over the at least one intermediate layer, the at least
one outer layer comprising a metal-containing material; and
connecting the at least one inner and outer layer to the at least one intermediate layer.

23. (Twice Amended) A method for making a contoured structural member,
comprising:

SUB
E5
cont
cont

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer over the at least one intermediate layer, the at least one outer layer comprising a metal-containing material, wherein the at least one outer layer comprises a plurality of layers; and

connecting the at least one inner and outer layer to the at least one intermediate layer.

34. (Amended) A contoured structural member made by the method comprising:

providing at least one inner layer using a continuous sheet comprising a metal-containing material;

19 roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

providing at least one outer layer over the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material; and

connecting the at least one inner and outer layer to the at least one intermediate layer.

35. (Amended) A contoured structural member made by the method comprising:

26 Sub D5 roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

C

constraining the outer portion with a shrink-wrap material;
connecting the at least one inner and outer layer to the at least one intermediate layer; and
removing the shrink-wrap material and the substrate.

36. (Amended) A contoured structural member made by the method comprising:

roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer having a honeycomb structure to be substantially contiguous with the at least one inner layer; and

roll wrapping at least one outer layer to be substantially contiguous with the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

constraining the outer portion with a shrink-wrap material;

connecting the at least one inner and outer layer to the at least one intermediate layer; and
removing the shrink-wrap material and the substrate.

Please add the following claim:

-41. A contoured structural member, comprising:

a plurality of solid contoured inner layers comprising a metal-containing material;

a plurality of solid contoured outer layers comprising a metal-containing material; and

at least one intermediate layer having a ribbed structure connecting the at least one inner layer and the at least one outer layer.